Comparison of Pediatric Vaccines

Vaccine Name	No. of Doses	Dose Timing	Important Notes
1. BCG	**1**	At birth	- Protects against tuberculosis - TB skin test will be false-positive
2. Hepatitis B (Hep B)	**3**	At birth, 1 month, 6 months (0, 1, 6)	Timely first dose critical
3. DTP (Diphtheria, Tetanus, Pertussis)	**4 + 1 booster**	2, 4, 6, 15-18 months + booster every10 years	- Not found in Yemen, - In Yemen we have **Pentavalent vaccine (DTP combined with Hib and IPV vaccines)** **-** In Yemen **(only 4 shotes)**
4. Hib (Haemophilus influenzae type b)	**3 + 1 booster**	2, 4, 6 months + booster at 12 to 15 months	- Given in combination with DTP in **Pentavalent vaccine**
5. Trivalent Poliovirus vaccine	**3 + 1 booster**	2, 4, 6 to 18 months + booster at 4 to 6 years.	- Sometimes combined with DTP-Hib. - Two types are available: **inactivated poliovirus vaccine** (IPV) and **oral poliovirus vaccine** (OPV).
6. MMR (Measles, Mumps, Rubella)	**2**	**9 months, 18 months**. (should also be given to **adults older than 18 years** who are found to be **non-immune**)	- Combined **live attenuated** vaccine - **Mumps Not found in Yemen only Measles and Rubella** - should be **avoided** in **immunocompromised** persons
7. Varicella Chickenpox **virus vaccine**	**2**	12 months, 18 months	- **Not found in Yemen.** - **Contraindicated** in **pregnant woman**.
8. Pneumococcal Conjugate Vaccine (PCV)	**3 + 1 booster**	2, 4, 6 months + booster at 12-15 months	- Prevents pneumonia and meningitis - In Yemen only **pneumococcal Vaccine not PCV** **- PCV13 for children,** and **PCV23 for adults**
9. Rotavirus	**2 or 3**	2, 4 months (some need 6 months)	- **Oral vaccine**; strict age limits for administration. - Rotavirus is the most common cause of **severe diarrheal disease** in **children younger than 5 years.**
10. Rabies vaccine	**4 or 5**	**Postexposure prophylaxis** with **(HRIG) on the day of the exposure 0**, and **then** a dose of vaccine **given again on days 3, 7, and14**. Also, may be in **day 28.**	- Rabies is a **fatal but preventable** viral disease. - virus infects the **central nervous system** cause disease in the brain, resulting in death. - **Postexposure prophylaxis** (PEP) consists of a dose of **human immune globulin (HRIG) and rabies vaccine.**
11. Human papillomavirus vaccine	**3**	**0, 2, and 6 months for 11 to 12 years old.** **females and male** aged **13 through 26 years should** also be vaccinated **if they have not previously received** the **full three** dose series.	- **Not found in Yemen.** - Is the most common **sexually transmitted virus** - Associated with **cervical cancer** and **genital warts** **-** They are **More than 150 HPVs But Bivalent (HPV2)** and **quadrivalent (HPV4)** vaccines are available.
12. Health care professionals	**- They should have documented immunity to measles, mumps, rubella, and varicella.** **- Whom with direct patient contact should also receive the Hepatitis B vaccine series.** **- It is now recommended that all health care professionals receive at least one dose of TDaP to protect against pertussis.**		

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